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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/082,188	02/26/2002	Sung Woo Yang	742.01081703	1815

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EXAMINER
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ROBINSON, GRETA LEE

ART UNIT	PAPER NUMBER
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2168

DATE MAILED: 06/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/082,188

Applicant(s)

YANG ET AL.

Examiner

Greta L. Robinson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 21 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 July 2002 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. Claims 1-5 are pending in the present application.
2. Claims 1-5 were amended by preliminary amendment.

### ***Drawings***

3. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the vendor server system, main database, customer system and narrow database must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner,

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the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

## **INFORMATION ON HOW TO EFFECT DRAWING CHANGES**

### **Replacement Drawing Sheets**

Drawing changes must be made by presenting replacement sheets which incorporate the desired changes and which comply with 37 CFR 1.84. An explanation of the changes made must be presented either in the drawing amendments section, or remarks, section of the amendment paper. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). A replacement sheet must include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of the amended drawing(s) must not be labeled as "amended." If the changes to the drawing figure(s) are not accepted by the examiner, applicant will be notified of any required corrective action in the next Office action. No further drawing submission will be required, unless applicant is notified.

Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and within the top margin.

### **Annotated Drawing Sheets**

A marked-up copy of any amended drawing figure, including annotations indicating the changes made, may be submitted or required by the examiner. The annotated drawing sheet(s) must be clearly labeled as "Annotated Sheet" and must be presented in the amendment or remarks section that explains the change(s) to the drawings.

### **Timing of Corrections**

Applicant is required to submit acceptable corrected drawings within the time period set in the Office action. See 37 CFR 1.85(a). Failure to take corrective action within the set period will result in ABANDONMENT of the application.

If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings MUST be filed within the THREE MONTH shortened statutory period set for

reply in the "Notice of Allowability." Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136 for filing the corrected drawings after the mailing of a Notice of Allowability.

***Specification***

4. The disclosure is objected to because of the following informalities: Page 1 line 8 "merchandize" should read "merchandise".

Appropriate correction is required.

5. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: METHOD OF NARROW SEARCH FOR BOOKS ON THE INTERNET.

***Claim Rejections - 35 USC § 112***

6. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

7. Claims 1-5 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 1, the following limitation is vague: "narrow database" and "exhausted" [see claim 1 lines 11, 16, 17, 21, 24 and 25]. The specification does not

appear to define what is meant by the term "narrow database" as opposed to a standard database. Also the term "exhausted" is unclear.

***Claim Rejections - 35 USC § 102***

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

9. Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Bowman et al. US Patent 6,169,986 B1.

As per independent claim Bowman anticipates:

(a) under control of a vendor server system, storing book identifying information in a main database at col. 5, lines 42-43;

(b) under control of a customer system, providing a displaying means for entering a search term at col.6, lines 15-17 and fig.2;

(c) under control of the vendor server system, in response to the search term entered by the customer in the means for entering a search term, accessing the main database to match the search term with the book identifying information and retrieve a search result comprising the book identifying information matching the search term at col.6, lines 22-30;

(d) under control of the vendor server system, storing the search result in a narrow database at col. 14, line 49;

- (e) under control of the customer system, displaying the search result and the means for entering a narrow search term at col.14, lines 26-36;
- (f) under control of the vendor server system, in response to the narrow search term entered by the customer in the means for entering a narrow search term, accessing the narrow database to match the narrow search term with the book identifying information and retrieve a narrow search result comprising the book identifying information matching the narrow search term at col.14, lines 50-57;
- (g) under control of the vendor server system, storing the narrow search result in the narrow database at col.14, lines 49;
- (h) under control of a customer system, displaying the narrow search result and means for entering a narrow search term at col. 14, lines 53-54; and
- (i) if the narrow database is not exhausted or a desired book is not located repeating steps (f), (g) and (h) until either the narrow database is exhausted or a desired book is located at col.14, lines 45-46.

Bowman teaches storing book identifying information in a main, displaying means for entering a search term, accessing the main database to match the search term with the book identifying information and retrieve a search result comprising the book identifying information matching the search term, storing the search result in a narrow database, displaying the search result and means for entering a narrow search term in response to the narrow search term entered by the customer in the means for entering a narrow search term, accessing the narrow database to match the narrow search term with the book identifying information and retrieve a narrow search result comprising the book identifying information matching the narrow search term, storing the narrow search result in the narrow database , displaying the narrow search result and means for entering a narrow search term, (i) repeating steps (f), (g) and (h) until either the narrow database is exhausted or a desired book is located at database at col. 5, lines 42-43, at col.6, lines 15-17,26-30, col. 14, lines **25-35,45-46,49-57** and fig. 2.

As per claim 2 same as claim arguments above and Bowman anticipates: wherein said book identifying information comprises an international standard book number at col.5, lines 44-50.

As per claim 3 same as claim arguments above and Bowman anticipates: wherein said book identifying information comprises a title at col.5, lines 44-50.

As per claim 4 same a claim arguments above and Bowman anticipates: wherein said book identifying information comprises an author at col.5, lines 44-50.

As per claim 5 same as claim arguments above and Bowman anticipates: wherein said book identifying information comprises a subject at col.5, lines 44-50.

### ***Response to Arguments***

10. Applicant's arguments filed March 21, 2006 have been fully considered but they are not persuasive.

- In the response Applicant argued the following: (1) The "outdoor trail-bike" hyperlink is not the same as a customer entering a search term. Prior art reference Bowman does not teach the limitation "entering a search term" as claimed. (2) Bowman does not teach or suggest storing book identifying information in a main database or identifying information matching the search term if the narrow database is not exhausted or desired book is located.
- In response to Applicants argument the examiner respectfully maintains the rejection. Note Bowman does teach the limitation "means for entering a search term" [see: col. 6 lines 15-18 which reads as follows: "users can



perform searches by first typing in the desired information into a search field **210**, **220**, **240** and then clicking on the appropriate search button **230**, **250**"; also note Figure 2]. Bowman teaches book identifying information see col. 5 lines 40-54 "information includes, for example, the titles, authors, publishers, subject descriptions, and ISBNs (International Standard Book Numbers) of book titles"]. Bowman provides for alternate techniques in which the process may be repeated until a match is located see col. 14 lines 37-57.

### ***Conclusion***

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Fowler US patent Application Publication No. 2002/0194166 a1


Whitman et al. US Patent 6,772,150 B1

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Greta L. Robinson whose telephone number is (571)272-4118. The examiner can normally be reached on M-F 9:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim T. Vo can be reached on (571)272-3642. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



**GRETA ROBINSON**  
**PRIMARY EXAMINER**

Greta Robinson  
Primary Examiner  
June 2, 2006